

FORM PTO-1449

(Modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.  
P00594-USSERIAL NO.  
09/973,335

APPLICANT: Soltz et al.

FILING DATE: 10/9/01

GROUP  
Unassigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GP	4	7	1	3	4	4	6	12/15/87	DeVore et al.	530	356	
	4	9	6	9	9	1	2	11/13/90	Kelman et al.	623	66	
	5	1	0	4	9	5	7	04/14/92	Kelman et al.	527	201	
	5	1	5	6	6	1	3	10/20/92	Sawyer	606	213	
	5	2	1	9	8	9	5	06/15/93	Kelman et al.	522	68	
	5	2	9	2	3	6	2	03/08/94	Bass et al.	106	124	
	5	3	3	2	8	0	2	07/26/94	Kelman et al.	530	356	
	5	3	5	4	3	2	3	10/11/94	Whitebook	607	89	
	5	3	5	4	3	3	6	10/11/94	Kelman et al.	623	6	
	5	4	0	9	4	8	1	04/25/95	Poppas et al.	606	12	
GP	5	4	7	6	5	1	5	12/19/95	Kelman et al.	623	6	
	5	5	4	0	6	7	7	07/30/96	Sinofsky	606	8	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBL. DATE	COUNTRY OR PATENT OFFICE	CLAS S	SUBCLASS	TRANSLATION	
		L	0	1	5	2	8	4					YES	NO
GP									12/31/65	London			X	

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

GP		Schober et al., "Laser-induced alteration of collagen substructure allows microsurgical tissue welding", <u>Science</u> , 232, 142-22, 1986
		Bass et al., "Changes in type I collagen following laser welding", <u>Lasers surg med</u> , 12, 500-5, 1992
		Ennker et al., "Formaldehyde-free collagen glue in experimental lung gluing", <u>Ann Thorac Surg</u> , V 57, 1622-7, 1994
		Stewart et al., "Laser assisted vascular welding with real time temperature control", <u>Lasers surg med</u> , 19, 9-16, 1996
		Menovsky et al., "Laser tissue welding of dura mater and peripheral nerves: a scanning electron microscopy study", <u>Lasers surg med</u> , 19, 152-8, 1996
GP		Small IV et al., "Dye-enhanced protein solders and patches in laser-assisted tissue welding", <u>J Clin Laser Med &amp; Surg</u> , 15, 205-8, 1997

EXAMINER

*Greg D.*

DATE CONSIDERED

4/28/03

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Modified) PATENT AND TRADEMARK OFFICE

MAR 12 2002  
PATENT & TRADEMARK OFFICE  
(37 CFR 1.88(b))

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ATTY. DOCKET NO.  
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GP	5	6	3	1	2	4	3	05/20/97	Kelman et al.	514	56	
	5	6	6	2	6	4	3	09/02/97	Kung et al.	606	3	
	5	6	6	9	9	3	4	09/23/97	Sawyer	506	213	
	5	8	4	0	8	4	8	11/24/98	Sturrock et al.	530	356	
	5	8	7	4	5	3	7	02/23/99	Kelman et al.	530	356	
GP	6	0	1	2	8	4	0	01/11/00	Small IV et al.	374	126	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER								PUBL. DATE	COUNTRY OR PATENT OFFICE	CLAS S	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

GP			Tang et al., "Morphologic changes in collagen fibers after 830nm diode laser welding", <u>Lasers surg med</u> , 21, 438-43, 1997	-
			Lauto., "Repair strength dependence on solder protein concentration: a study in laser tissue welding", <u>Lasers surg med</u> , 22, 120-5, 1998	-
			Suh et al., "Comparison of dermal and epithelial approaches to laser tissue soldering for skin flap closure", <u>Lasers surg med</u> , 22, 268-74, 1998	-
			Maitz et al., "Sutureless microvascular anastomoses by a biodegradable laser-activated solid protein solder", <u>Plastic &amp; reconstru surg</u> , 104, 1726-31, 1999	-
			Lauto et al., "Two-layer film as a laser soldering biomaterial", <u>Lasers surg med.</u> , 25, 250-6, 1999	-
GP			Lobel et al., "Temperature controlled co2 laser welding of soft tissues: urinary bladder welding in different animal models (rats, rabbits, and cats)", <u>Lasers surg med</u> , 26, 4-12, 2000	-


EXAMINER

*Jim R*

DATE CONSIDERED

4/2

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of

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	4/28/03
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